

REMARKS

This is in response to the Office Action mailed 19 January 2006.

Claims 1-7 have been amended. New claim 16 has been added. No new matter has been introduced by these amendments.

Claims 1-16 are currently pending.

Allowed/Allowable Subject Matter

The Examiner indicated that claims 7-10 would be allowable if rewritten in independent form including the limitations of the base claim and any intervening claims. Claims 7-10 have been amended accordingly, and it is submitted that claims 7-10 are now in condition for allowance.

The Examiner has also indicated that claims 11-15 are allowed.

Compliance of Claims 1-6 and 16 with 35 USC §§102 and 103

Claim 1, as amended, recites “a normalization probe for attenuating said polychromatic light, said normalization probe having an attenuation approximately equal to an attenuation of said fiber optic measuring probe,” “an optical spectrometer means for determining a measurement spectrum of said modulated light and a normalization spectrum of said attenuated light” and “a signal processing means for calculating a normalized spectrum from said measurement and normalization spectrums, for calculating a phase of said normalized spectrum to determine the optical path of said fiber optic measuring probe, and for calculating the value of said physical parameter.” None of the prior art of record discloses or suggests a fiber optic sensing device having such a combination of features.

Accordingly, it is submitted that claim 1, as well as claims 2-6 and 16 which depend therefrom, are now in condition for allowance.

Reconsideration and allowance of this application are respectfully requested in light of the foregoing amendments and remarks.

Respectfully submitted,
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